

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

APPLICATION FOR PERMIT
TO CONSTRUCT A RESERVOIR AND TO STORE FOR BENEFICIAL USE
WATERS OF THE STATE OF WASHINGTON

\$10.00 MINIMUM STATUTORY FILING FEE REQUIRED WITH APPLICATION
(GRAY BOXES FOR OFFICE USE ONLY)



APPLICATION NUMBER R4-34552	W.R.I.A. 38	COUNTY YAKIMA	PRIORITY DATE 04-12-2002	TIME	ACCEPTED
APPLICANT'S NAME City of Yakima; Water/Irrigation Division			TELEPHONE NUMBER (509) 575-6154 Attn: Dueane Calvin		
DATE AND PLACE OF INCORPORATION, IF APPLICANT IS A CORPORATION					
ADDRESS (STREET) 2301 Fruitvale Boulevard			(CITY) Yakima	(STATE) WA	(ZIP CODE) 98902
1. SOURCE, USE, AND CAPACITY OF RESERVOIR					
NAME OF PROPOSED RESERVOIR Upper Ellensburg Formation Aquifer, Ahtanum-Moxee Sub-basin of the central portion of the Yakima Valley					
NAME OF STREAM OR OTHER SOURCE FOR RESERVOIR SUPPLY Naches River			TRIBUTARY OF Yakima River		
USE(S) TO BE MADE OF IMPOUNDED WATER (IRRIGATION, POWER, FISH PROPOGATION, ETC.) Municipal Supply					
NUMBER OF ACRE FEET TO BE STORED AT MAXIMUM OPERATING LEVEL 200,000			MONTHS OF YEAR DURING WHICH RESERVOIR IS TO BE FILLED Year-round		
NUMBER OF ACRES TO BE IRRIGATED, IF USED FOR IRRIGATION N/A					
TYPE AND CAPACITY OF DIVERSION WORKS IF WATER IS TO BE WITHDRAWN Water will be withdrawn pursuant to existing water rights at diversion works including, but not limited to, the City's Naches River Water Treatment Plant (WTP) (with a current capacity of 25 million gallons per day (MGD) and a potential future capacity of approximately 40 MGD). Additional points of withdrawal may include future drinking water treatment plants to be constructed in the general area between the Naches River Water Treatment Plant and the confluence of the Naches River with the Yakima River (City has diversion works without a water treatment plant at Nelson Bridge with a current capacity of approximately 20 MGD and potential future capacity of approximately 40 MGD).					
2. LOCATION OF POINT OF DIVERSION OR WITHDRAWAL					
ON ACCOMPANYING PLATS OR MAPS, ACCURATELY MARK AND IDENTIFY EACH POINT OF DIVERSION. GIVE MEASURED DISTANCE AND BEARING, OR NORTH-SOUTH AND EAST-WEST DISTANCES FROM NEAREST SECTION CORNER.					
COMPLETE EITHER A OR B	A	THE RESERVOIR IS TO BE LOCATED IN THE CHANNEL OF (NAME OF STREAM)			
	B	THE RESERVOIR IS TO BE FILLED THROUGH A FEEDER CANAL (OR PIPELINE) HAVING ITS POINT OF DIVERSION (INTAKE) LOCATED AS FOLLOWS: The reservoir will be filled using the existing transmission main extending from the Naches River WTP (located on the Naches River at approximately river mile 8 from the confluence of the Naches and Yakima Rivers) to the City of Yakima. Future treatment plants may be constructed in the general area between the Naches River WTP and the confluence of the Naches River with the Yakima River and/or diversion points of other primary water rights.			
DISTANCE AND BEARING TO SECTION CORNER 800 feet east, and 100 feet north from the SW corner of Section 13					
LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION)		SECTION 13	TOWNSHIP 14 N.	RANGE 17 E W.M.	COUNTY Yakima
3. IF THIS IS WITHIN THE LIMITS OF A RECORDED PLATTED PROPERTY, COMPLETE THIS SECTION					
LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)			
4. LOCATION OF IMPOUNDING STRUCTURE					
IMPOUNDING STRUCTURE LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) This application is for an underground artificial storage and recovery project, and as such, does not involve any surface impoundment		SECTION See below	TOWNSHIP	RANGE (E. OR W.) W.M.	
LEGAL SUBDIVISION OF LANDS IN WHICH THE SUBMERGED AREA IS TO BE LOCATED (THE OUTLINE OF THIS LAND IS TO BE SHOWN ON THE MAP TO ACCOMPANY THIS APPLICATION)					

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APRIL 12, 2002
WRIA 38 YAKIMA

This application is for an underground artificial storage and recovery project, and as such, will not submerge any lands. The aquifer to be used for underground storage is the contiguous Upper Ellensburg Formation within the Ahtanum-Moxee Sub-basin located within all or part of the sections within the following area:

East ¼ of T12N R15E; T12N, R16E; T12N, R17E; T12N, R18 E ;T12N, R19E; T12N, R20E; T12N, R21E; West half of T12N, R22E; T13N, R16E; T13N, R17E; T13N, R18 E ;T13N, R19E; T13N, R20E; T13N, R21E

As shown on the attached map.

DO YOU OWN THIS PROPERTY

☐ YES ☒ NO

IF NO, HAVE YOU SECURED FLOOD RIGHTS FOR LANDS TO BE INUNDATED

☐ YES ☒ NO Not applicable-water will be stored underground in aquifer and no lands will be inundated.

5.

CONSTRUCTION OF IMPOUNDING STRUCTURE

HEIGHT OF DAM (FEET) This application is for an underground artificial storage and recovery project, and as such, does not involve any surface impoundment. Storage will be in a natural aquifer.

LENGTH OF TOP (FEET) N/A

LENGTH OF BOTTOM (FEET) N/A

WIDTH ON TOP (FEET) N/A

SLOPE OF FRONT OR WATER SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) N/A

SLOPE OF BACK SIDE (NUMBER OF FEET HORIZONTAL TO ONE FOOT VERTICAL) N/A

HEIGHT OF DAM ABOVE WATER LINE AT MAXIMUM FLOOD FLOW (FEET) N/A

TYPE OF CONSTRUCTION OF DAM AND MATERIAL OF WHICH IT IS TO BE BUILT N/A

LOCATION AND DIMENSIONS OF SPILLWAYS (STATE WHETHER OVER, AROUND, OR THROUGH DAM) N/A

NUMBER OF ACRES TO BE SUBMERGED BY RESERVOIR WHEN FULL
N/A

MAXIMUM DEPTH ELEVATION
(FEET) N/A

APPROXIMATE AVERAGE DEPTH
ELEVATION (FEET) N/A

ESTIMATED COST OF PROPOSED WORK \$2,500,000

CONSTRUCTION WILL BEGIN ON OR BEFORE (DATE) June 1, 2005

CONSTRUCTION WILL BE COMPLETED ON OR BEFORE (DATE) December 31, 2010

SIZE AND TYPE OF OUTLET STRUCTURE Multiple wells from land surface.

6.

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED (IF DIFFERENT THAN ABOVE)

COPY LEGAL DESCRIPTION FROM DEED: OR ATTACH COPY OF DEED. TAX STATEMENT DESCRIPTIONS ARE NOT ACCEPTABLE.
ALSO OUTLINE THIS PROPERTY ON THE MAPS OR PLATS SUBMITTED WITH THIS APPLICATION.

Authorized place of use of the primary water right(s) used for recharging the aquifer, and/or as may be defined by secondary permits.

DO YOU OWN THIS PROPERTY

☐ YES ☒ NO

IF NO, GIVE NAME AND ADDRESS OF OWNER

Various property owners



Duane Colvin for City of Yakima
SIGNATURE OF APPLICANT

STATE OF WASHINGTON }
DEPARTMENT OF ECOLOGY } ss.

This is to certify that I have examined the foregoing application together with the accompanying maps and data,
and return the same for correction or completion as follows:.....
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.....

In order to retain its priority, this application must be returned to the Department of Ecology, with corrections, on
or before, 19.....

Witness my hand this day of, 19.....

.....
Department of Ecology